

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2008; month=7; day=18; hr=15; min=16; sec=0; ms=725;]

=====

Application No: 10573794

Version No: 2.0

Input Set:**Output Set:****Started:** 2008-07-17 10:20:19.439**Finished:** 2008-07-17 10:20:20.847**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 408 ms**Total Warnings:** 17**Total Errors:** 0**No. of SeqIDs Defined:** 17**Actual SeqID Count:** 17

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 402	Undefined organism found in <213> in SEQ ID (14)
W 402	Undefined organism found in <213> in SEQ ID (15)
W 402	Undefined organism found in <213> in SEQ ID (16)
W 402	Undefined organism found in <213> in SEQ ID (17)

SEQUENCE LISTING

<110> Japan Science and Technology Agency
 SUZUKI, Koichi
 SAKAI, Masato

<120> ROYAL JELLY PEPTIDE AND COMPOSITION CONTAINING THE SAME

<130> 2006_0470A

<140> 10573794
 <141> 2008-07-17

<150> JP 2003-338665
 <151> 2003-09-29

<150> PCT/JP2004/014544
 <151> 2004-09-27

<160> 17

<170> PatentIn version 3.5

<210> 1
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> synthetic oligonucleotide

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (9)..(9)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (30)..(30)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (36)..(36)
 <223> n is a, c, g, or t

 <400> 1
 aaracnwsna thwsngtnaa rggngarwsn aaygtng 37

<210> 2
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic oligonucleotide

 <400> 2
 cgttggcacc agacacgata gatgaaacc 29

<210> 3
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic oligonucleotide

 <400> 3
 tttctgaatt ttattaatta ctttattcg 29

<210> 4
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic oligonucleotide

 <400> 4
 aaaacacctta tctctgttaa aggccaatcc aacgttgatg ttgtttccca 50

<210> 5
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>

<223> synthetic oligonucleotide

<400> 5
gatcaactct ctggtttctt ctatcgtttc tggtgctaac 40

<210> 6
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 6
gtttctgcag tactgctggc tcagactctg gttaacatcc 40

<210> 7
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 7
tgcagatcct gatcgacgct aacgttttcg cttaatag 38

<210> 8
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 8
ttttggagat agagacaatt tccgcttagg ttgcaactac 40

<210> 9
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide

<400> 9
aacaaagggt ctagttgaga gaccaaagaa gatagcaaag 40

<210> 10
<211> 40
<212> DNA

<213> Artificial Sequence
 <220>
 <223> synthetic oligonucleotide
 <400> 10
 accacgattg caaagacgtc atgacgaccg agtctgagac 40
 <210> 11
 <211> 48
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> synthetic oligonucleotide
 <400> 11
 caattgtagg acgtctagga ctagctgcga ttgcaaaagc gaattatc 48
 <210> 12
 <211> 31
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> synthetic oligonucleotide
 <400> 12
 ggtattgagg gtcgcaaaac ctctatctct g 31
 <210> 13
 <211> 33
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> synthetic oligonucleotide
 <400> 13
 agaggagagt tagagcccta ttaagcgaaa acg 33
 <210> 14
 <211> 162
 <212> DNA
 <213> bee
 <220>
 <221> CDS
 <222> (1)..(162)
 <220>
 <221> misc_feature

```

<222> (139)..(141)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (139)..(141)
<223> n is a, c, t or g

<400> 14
aaa aca tca atc agt gtc aaa ggc gaa tcg aac gtg gat gtc gtt tcc      48
Lys Thr Ser Ile Ser Val Lys Gly Glu Ser Asn Val Asp Val Val Ser
1          5          10          15

caa atc aac agt ttg gtt tca tct atc gtg tct ggt gcc aac gtg tca      96
Gln Ile Asn Ser Leu Val Ser Ser Ile Val Ser Gly Ala Asn Val Ser
          20          25          30

gca gta ctc cta gct caa act tta gtt aat atc ctg caa att nnn atc      144
Ala Val Leu Leu Ala Gln Thr Leu Val Asn Ile Leu Gln Ile Xaa Ile
          35          40          45

gac gct aat gtt ttc gct      162
Asp Ala Asn Val Phe Ala
50

<210> 15
<211> 54
<212> PRT
<213> bee

<220>
<221> misc_feature
<222> (47)..(47)
<223> Xaa is Lys, Asn, Arg, Ser, Thr, Ile,
      Met, Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys,
      or Phe.

<400> 15

Lys Thr Ser Ile Ser Val Lys Gly Glu Ser Asn Val Asp Val Val Ser
1          5          10          15

Gln Ile Asn Ser Leu Val Ser Ser Ile Val Ser Gly Ala Asn Val Ser
          20          25          30

Ala Val Leu Leu Ala Gln Thr Leu Val Asn Ile Leu Gln Ile Xaa Ile
          35          40          45

Asp Ala Asn Val Phe Ala
50

<210> 16

```

<211> 162
<212> DNA
<213> bee

<220>
<221> CDS
<222> (1)..(162)

<400> 16
aaa aca tca atc agt gtc aaa ggc gaa tcg aac gtg gat gtc gtt tcc 48
Lys Thr Ser Ile Ser Val Lys Gly Glu Ser Asn Val Asp Val Val Ser
1 5 10 15

caa atc aac agt ttg gtt tca tct atc gtg tct ggt gcc aac gtg tca 96
Gln Ile Asn Ser Leu Val Ser Ser Ile Val Ser Gly Ala Asn Val Ser
20 25 30

gca gta ctc cta gct caa act tta gtt aat atc ctg caa att ctt atc 144
Ala Val Leu Leu Ala Gln Thr Leu Val Asn Ile Leu Gln Ile Leu Ile
35 40 45

gac gct aat gtt ttc gct 162
Asp Ala Asn Val Phe Ala
50

<210> 17
<211> 54
<212> PRT
<213> bee

<400> 17

Lys Thr Ser Ile Ser Val Lys Gly Glu Ser Asn Val Asp Val Val Ser
1 5 10 15

Gln Ile Asn Ser Leu Val Ser Ser Ile Val Ser Gly Ala Asn Val Ser
20 25 30

Ala Val Leu Leu Ala Gln Thr Leu Val Asn Ile Leu Gln Ile Leu Ile
35 40 45

Asp Ala Asn Val Phe Ala
50